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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

TRAN, TAM D

ART UNIT	PAPER NUMBER
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2676

DATE MAILED: 06/25/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/918,721

Applicant(s)

DRESEVIC ET AL.

Examiner

Tam D Tran

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04/16/2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2,4-14,16-18 and 24-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2,4-14,16-18 and 24-30 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 2, 4-14, 16-18, 24-30 are rejected under 35 U.S.C. 102(e) as being anticipated by Chatterjee (USPN 6549675 B2).

2. In regard to claims 1, 5, 9, 11, 12, 16, Chatterjee teaches a method and apparatus for rendering a digital ink stroke, comprising the steps of: receiving a first pen tip instance (first stroke); receiving a second pen tip instance (second stroke); see Fig.2, col.2 lines 20-32, col.12 lines 46-50, col.5 lines 57-67; and determining a quadrangle (rectangle) based on the first and second pen tip instances, See col.12 lines 50-55, wherein the first and second pen instances each are associated with data representing at least one of a size, shape, and rotation (circle, polygon) of the respective pen tip instance (locating points in the digital ink for segments, the points in each stroke are randomly distribute on the display). See Fig.2, Fig.8, Fig.12, col.5 lines 57-67.

point is associate to other points

3. In regard to claim 2, Chatterjee teaches a method for rendering a digital ink stroke, further including the step of displaying a representation of the first pen tip instance, the second pen tip instance, and the quadrangle. See col.12 lines 58-60.

4. In regard to claim 3, Chatterjee teaches a method for rendering a digital ink stroke, wherein the first and second pen instances each are associated with data representing at least one of a size, shape, and rotation of the respective pen tip instance. See col.12 lines 50-53.
5. In regard to claim 4, Chatterjee teaches a method for rendering a digital ink stroke, wherein the step of determining the quadrangle includes determining the quadrangle to connect the first pen tip instance to the second pen tip instance. See col.12 lines 50-55.
6. In regard to claim 6, Chatterjee teaches a method for rendering a digital ink stroke, wherein the first pen tip instance is a rectangle, the step of determining including determining two sides of the quadrangle to each have one endpoint at a corner of the rectangle. See col.12 lines 50-55.
7. In regard to claim 7, Chatterjee teaches a method for rendering a digital ink stroke, wherein the rectangle is a square. See Fig.8.
8. In regard to claim 8, Chatterjee teaches a method for rendering a digital ink stroke, wherein the first pen tip instance is a triangle, the step of determining including determining two sides of the triangle to each have one endpoint at a corner of the triangle. See Fig.8.
9. In regard to claim 10, Chatterjee teaches a method for rendering a digital ink stroke, wherein the digital ink stroke is opaque. See col.4 lines 42-50.
10. In regard to claim 13, Chatterjee teaches a method for rendering a digital ink stroke, further including the step of displaying a representation of the first pen tip instance, the second pen tip instance, and the plurality of quadrangles. See col.12 lines 50-55.
11. In regard to claim 14, Chatterjee teaches a method for rendering a digital ink stroke, wherein the first pen tip instance is a rectangle, the step of determining including determining

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~~two sides of each of the plurality of quadrangles to each have one endpoint at a corner of the~~
rectangle. See col.12 lines 50-55.

12. In regard to claim 15, Chatterjee teaches a method for rendering a digital ink stroke, further including the step of determining a union of the plurality of quadrangles. See col.12 lines 50-55.

13. In regard to claim 17, Chatterjee teaches a method and apparatus for rendering a digital ink stroke, further including: the graphics toolbox, wherein the graphics toolbox is coupled to the second portion and configured to fill the first pen tip instance, the second pen tip instance, and the connecting quadrangle; See col.12 lines 50-55; and a display coupled to the graphics toolbox and configured to display the filled first pen tip instance, the filled second pen tip instance, and the filled connecting quadrangle. See col.12 lines 58-60.

14. In regard to claim 18, Chatterjee teaches a method and apparatus for rendering a digital ink stroke, wherein the first portion comprises a pen input device and the second portion comprises a contour generator (CPU). See col.4 lines 16-25.

15. In regard to claim 24, Chatterjee teaches a method and apparatus for rendering a digital ink stroke, wherein the first and second pen tip instances each have an area defined by a contour. See Fig.2.

16. In regard to claim 25, Chatterjee teaches a method and apparatus for rendering a digital ink stroke, wherein the first and second pen tip instances are of different sizes or different shapes. See Fig.2.

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17. In regard to claim 26, Chatterjee teaches a method and apparatus for rendering a digital ink stroke, wherein the region overlaps a portion of the area of each of the first and second pen tip instances. See Fig.2.

18. In regard to claims 27, 28, 29, 30, Chatterjee teaches a computer-readable medium having computer-executable instructions for performing steps recited in claim 1, 5, 9, 11. See col.1 lines 60-67.

Response to Arguments

19. Applicant's arguments filed on 04/16/2004, have been fully considered but they are not persuasive.

Applicant argues that the prior art does not teach "data representing at least one of a size, shape, and rotation of the respective ink point," However, examiner respectfully disagrees with the argument because on Fig.2, Fig.8, col.1 lines 25-30, Chatterjee teaches making series of pen strokes forming letters, words, drawings or other patterns (circle, polygon) corresponding to representing at least one of a size, shape, and rotation of the respective ink point. For these reasons, the rejections are maintained.

20. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

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~~CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,~~
however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Conclusion

21. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Tam D. Tran** whose telephone number is **703-305-4196**. The examiner can normally be reached on MON-FRI from 8:30 – 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Matthew Bella** can be reached on **703-308-6829**.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered response should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

Tam Tran

TT
Examiner

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**MATTHEW C. BELLA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600**